



CONSTRUCTION BULLETIN 21-02

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FROM: William P. Fay, State Construction Engineer

DATE: Sep 15, 2021

Use of Glass Beads During Shortages On ADOT Construction Projects

Purpose

Provide guidance on the handling or substitution of alternative materials (Type 2 glass beads) where the specified materials (Type 3 glass beads) in thermoplastic pavement marking materials are unavailable.

Background

ADOT Materials Group has addressed a nationwide glass bead shortage of the Type 3 Glass beads used in Thermoplastic pavement markings. Standard Specification 704 THERMOPLASTIC PAVEMENT MARKINGS and 708 WATERBORNE PAVEMENT MARKINGS Type 3 beads are often out of stock. In order to prevent inconsistent project results or project delays this Construction Bulletin outlines the process to address contract changes involving glass bead shortages.



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On September 14th, 2021, ADOT Materials Group published Materials Bulletin 21-01 explaining and addressing the shortage of Type 3 beads and evaluating potential uses of Type 2 beads. ADOT Materials Bulletin 21-01 is adopted herein by reference.

Process

It remains the responsibility of the contractor to build and stripe the roadway as designed, including where Type 3 Glass Beads are specified.

In the event the manufacturer or supplier notifies the contractor that Type 3 beads are not available for an individual project, the contractor may request the engineer to substitute Type 2 beads. It is within the sole discretion of the Engineer to allow such substitution based on the needs of the individual project. If such substitution is allowed it will be done according to the procedures outlined in Materials Bulletin 21-01 and memorialized with a procedural change order at the time. Quantities of the type of beads or other elements may need to be adjusted by the contractor to meet the original performance standards in the Specifications.